

No.



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*J. R. Simplot Company*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE HERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BLUEGRASS, KENTUCKY

'Barrister'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this sixteenth day of July, in the year two thousand and eight.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture

#200300001

REPRODUCE LOCALLY. Include form number and date on all reproductions

Form Approved - OMB No. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER: J. R. Simplot Company
2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME: J-1655, 93-1655
3. VARIETY NAME: Barrister
4. ADDRESS: W. 5300 Riverbend Avenue, Post Falls, ID 83854
5. TELEPHONE: 208-773-7581
6. FAX: 208-773-4846
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION: Corporation
8. IF INCORPORATED, GIVE STATE OF INCORPORATION: Nevada
9. DATE OF INCORPORATION: June 28, 1955
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION: A. Douglas Brede, W. 5300 Riverbend Avenue, Post Falls, ID 83854
FILING AND EXAMINATION FEES: \$2705
DATE: 10/1/2002
CERTIFICATION FEE: \$768.00
DATE: 10/19/2007

11. TELEPHONE: 208-773-7581
12. FAX: 208-773-4846
13. E-MAIL: dbrede@simplot.com
14. CROP KIND: Kentucky bluegrass
15. GENUS AND SPECIES NAME OF CROP: Poa pratensis
16. FAMILY NAME: Gramineae
17. IS THE VARIETY A FIRST GENERATION HYBRID? NO

18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED:
a. Exhibit A. Origin and Breeding History of the Variety [checked]
b. Exhibit B. Statement of Distinctness [checked]
c. Exhibit C. Objective Description of Variety [checked]
d. Exhibit D. Additional Description of the Variety (Optional) [checked]
e. Exhibit E. Statement of the Basis of the Owner's Ownership [checked]
f. Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) [checked]
g. Filing and Examination Fee (\$2,705), made payable to "Treasurer of the United States" [checked]
19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? NO
20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? NO
21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? NO

22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? YES 7/31/02 USA
23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? NO

24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.
The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.
Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER: A. Douglas Brede
NAME: A. Douglas Brede
CAPACITY OR TITLE: Research Director
DATE: 5 Sept. 02

**Exhibit 16A****Origin and Breeding History – ‘Barrister’ Kentucky Bluegrass**

‘Barrister’ Kentucky bluegrass originated as a highly apomictic, single-plant selection from the progeny of hybrid cross number 89-1037, made in the field in July 1989. Pollen from the variety ‘Midnight’ Kentucky bluegrass was used to pollinate plants of ‘Limousine.’

Seed harvested from 89-1037 plants were individually sown into cells of greenhouse flats during the spring of 1992. The resulting plants were grown in a spaced-plant field nursery of 40,701 plants. Offspring with characteristics dissimilar to Limousine were flagged during maturation in spring of 1993. Plant number 93-1655 (the experimental designation for Barrister) was identified as being unique from its maternal parent, by its vegetative turf characteristics, prior to heading. Plant 93-1655 produced 28.4 grams of clean seed from a single spaced plant, which is nearly twice that typical for a bluegrass spaced plant in North Idaho.

Seed harvested from experimental 93-1655 was tested in Jacklin turf quality trials in Idaho in 1993. It was tested in Ohio in 1996, New Jersey in 1999, Maryland in 1994, and in National Turfgrass Evaluation Program (NTEP) trials in 2000. It was evaluated in Idaho at both 1¼ inch and ½ inch mowing, and in Maryland at 2 inch and 3/8 inch mowing. Its seed yielding ability was evaluated in a replicated yield trial in Post Falls in 1998 and in a small production block near Connell, WA, seeded in 1998. Barrister was selected for release based on a combination of its US East Coast turf performance, combined with reliable seed yield in the Pacific Northwest. First breeder seed was produced in 1998 and first certified seed in 2001, although none was sold until 2002.

Progeny trials were conducted in spaced-plant nurseries, established near Post Falls, ID, in May 1997, to determine the level of apomixis. Among Barrister plants, 2.4% were variants in the vegetative (pre-heading) stage, 1.6% were heading maturity variants, 0.2% seedhead variants, 2% miniature plants, and 1% were headless plants. In spaced-plant nurseries, Barrister averaged 93% apomictic. However in commercial seed production, apomixis will typically vary from 88 to 98% depending upon weather and year.

Barrister Kentucky bluegrass is a stable and uniform variety. Over seven years of commercial seed production, all seedlots evaluated have produced turf of comparable quality and acceptable uniformity. Aberrant progeny (as described in the previous paragraph) are rogued from breeders, foundation, and registered fields to insure continued uniformity and stability, but they will continue to occur in every generation.

**Exhibit 16 B****Statement of Distinctness – Barrister Kentucky Bluegrass**

'Barrister' is a moderately low-growing Kentucky bluegrass variety with very late maturity. Barrister can be distinguished from all other varieties by the combination of spaced-plant and seed characteristics described in Tables 1 through 10. Barrister most closely resembles 'Arcadia' Kentucky bluegrass but differs from it in the following characters:

1. Barrister has significantly lighter seed than Arcadia (0.041 g/100 seed for Barrister versus 0.045 g for Arcadia in 1999, significant at 0.05 level; 0.033 g for Barrister versus 0.035 g for Arcadia in 2000, significant at 0.05 level) (Table 7).
2. Barrister has significantly lower spring ground cover ratings across 17 locations in NTEP than Arcadia (rating of 72.5% coverage for Barrister versus 77% for Arcadia, significant at 0.05 level) (Table 9).
3. Barrister has significantly better turfgrass quality ratings across eight Transition Zone locations over five years of data collection in NTEP than Arcadia (rating of 5.9 for Barrister versus 5.4 for Arcadia, significant at 0.05 level) (Table 10). Data from 2000 National Kentucky Bluegrass Test, 2001-05 Data, Final Report NTEP No. 06-11.



6. LEAF BLADE:

☆	<input type="text" value="4"/>	Green Color	1 = Light Green (Mystic)	2 = Medium Green (Fylking, Bonnieblue)
			3 = Moderately dk. green (Merion, Adelphi)	4 = Very dk. green (Nugget, Glade, Enmundi)
☆	<input type="text" value="4"/>	Bluegreen Color	1 = Not bluegreen (Mystic, Touchdown, Parade)	2 = Moderately bluegreen (Merion, A-34)
			3 = Bluegreen (Nugget, Enmundi, Adelphi)	4 = Strongly bluegreen (Majestic)
	<input type="text" value="1"/>	Winter color	1 = Light green	2 = Dark green
			4 = Dark purple	3 = Light purple
				5 = Not purple
				6 = Not green or purple
☆	<input type="text" value="1"/>	Hairs upper side:	1 = Absent (Nugget)	2 = Sparse (Merion)
			3 = Dense (Park)	
	<input type="text" value="1"/>	Hairs lower side:	1 = Absent (Fylking, Merion)	2 = Sparse
			3 = Dense (Nugget)	
	<input type="text" value="2"/>	Luster upper side:	1 = Shiny (Eclipse, Enmundi)	2 = Dull (Aquila, Parade)
	<input type="text" value="1"/>	Luster lower side:	1 = Shiny (Mystic, Enmundi)	2 = Dull (Barvie, Eclipse)
☆	<input type="text" value="1"/>	Margin hairs (Fringe on Margin or Base):	1 = Absent (Delta)	2 = Present (Fylking, Merion)
☆	<input type="text" value="4"/>	Width	1 = Very fine (Mystic)	2 = Fine (Nugget)
			3 = Medium (Merion, Fylking)	
			4 = Broad (Adelphi, Baron)	5 = Very broad (Monoply)
	<input type="text" value="3"/>	<input type="text" value="4"/> <input type="text" value="8"/>	mm Width (flag leaf)	
	<input type="text" value="4"/>	<input type="text" value="3"/> <input type="text" value="7"/>	mm Narrower than	☆ <input type="text" value="12"/> 1=Nugget
			Width same as	2=Fylking
				3=Delta
		<input type="text" value="4"/> <input type="text" value="5"/>	mm Wider than	☆ <input type="text" value="10"/> 4=Merion
				5=Newport
				6=Baron
		<input type="text" value="4"/> <input type="text" value="3"/> <input type="text" value="3"/>	mm Length (flag leaf)	☆ <input type="text" value="1"/> 7=Mystic
		<input type="text" value="9"/> <input type="text" value="8"/>	mm Shorter than	8=Sabre
			Length same as	9=Reubens
		<input type="text" value="8"/> <input type="text" value="4"/>	mm Longer than	☆ <input type="text" value="12"/> 1=Nugget
			Position of flag leaf (angle to stem):	2=Fylking
				3=Delta
				☆ <input type="text" value="10"/> 4=Merion
				5=Newport
				6=Baron
				☆ <input type="text" value="1"/> 7=Mystic
				8=Sabre
				9=Reubens
				1 =
				2 = Open angle, yet stiff
				3 = Nodding
				Appressed

7. LEAF SHEATH:

<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="3"/>	mm sheath length	
☆			Seedling Color (base of sheath):	1 = Green (Nugget, Merion)
				2 = Red (Delta)
☆	<input type="text" value="1"/>		Hairs on Margin:	1 = Absent (Fylking)
				2 = Present (Nugget)
☆	<input type="text" value="1"/>		Margin Roughness (to touch):	1 = Smooth (Delta)
				2 = Rough (Sabre)
	<input type="text" value="1"/>		Hairs on Surface	1 = Absent
				2 = Present (Nugget)
	<input type="text" value="2"/>		Surface Roughness (to touch):	1 = Smooth (Fylking)
				2 = Rough (Ram I)
	<input type="text" value="1"/>		Hairs on both sides just beneath leaf blade (Under collar):	1 = Absent (Merion)
				2 = Present (Nuggett)
☆	<input type="text" value="1"/>		Hairs on Ligule:	1 = Absent (Fylking)
				2 = Short (Baron)
				3 = Long (Nugget)
	<input type="text" value="1"/>		Glaucoisity:	1 = Absent (Mystic, Enmundi)
				2 = Present (Birka)
	<input type="text" value="2"/>		Keel:	1 = Absent (Ram I)
				2 = Present (Adelphi)

8 PANICLE (Mature plant):

<input type="text" value="8"/>	<input type="text" value="0"/>	<input type="text" value="6"/>	mm Length (Lowest whorl to top, for 10 plants) Test area:	Rathdrum, Idaho.			
<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="4"/>		☆ <input type="text" value="6"/>	1=Nugget	2=Fylking	3=Delta
			Panicle length same as	☆ <input type="text" value="10"/>	4=Merion	5=Newport	6=Baron
<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="3"/>	mm Longer than	☆ <input type="text" value="1"/>	7=Mystic	8=Sabre	9=Reubens
☆	<input type="text" value="2"/>	Color (at 50% flowering):		1 = Not red (Fylking)	2 = Red (Nugget)		
	<input type="text" value="1"/>	Shape of Rachis (Opposite lower side of branches):		1 No bend (Nugget)	2 = Bend (Merion)		
☆	<input type="text" value="2"/>	Collar:		1 = Opened (Nugget)	2 = Closed (Merion)		
☆	<input type="text" value="1"/>	Branches Attitude (Lowest whorl):		1 = Drooping (America, Prato)	2 = Horizontal (Merion)	3 = Ascending (Tundra)	
<input type="text" value="4"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	Number of main branches in lowest whorl				
☆	<input type="text" value="1"/>	Panicle Habit:		1 = Nodding (Newport)	2 = Upright (Nugget)		
☆	<input type="text" value="1"/>	Panicle Type:		1 = Open	2 = Intermediate	3 = Compact	
	<input type="text" value="1"/>	Anther color (anthesis)		1 = Purple	2 = Yellow	3 = Brown	

9 Lemma:

☆	<input type="text" value="1"/>	Keel	1 = Galbrous	2 = Slightly pubescent	3 = pubescent
☆	<input type="text" value="1"/>	Marginal Nerves			
	<input type="text" value="1"/>	Intermediate Nerves	1 = Distinct	2 = Obscure	
	<input type="text" value="1"/>	Basal Webbing	1 = Absent	2 = Scant (Baron)	3 = Copious (Merion)

10. SEED (Floret-not hulled):

☆	<input type="text" value="2"/>	Apomixis Percentage	1 = more than 95	2 = 85 to 95	3 = less than 85		
	<input type="text" value=""/>	Phenol Reaction	1 = none-lemma removed (Merion)	2 = Beige (Cougar)	3 = Brown (Windsor)		
			4 = Black (Mystic 2 hours)	5 = Black ( 24 hours)			
<input type="text" value="0"/>	<input type="text" value="7"/>	<input type="text" value="0"/>	mm. Width (average of 10)	<input type="text" value="2"/>	<input type="text" value="9"/>	<input type="text" value="5"/>	mm. Length
<input type="text" value="4"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Milligrams per 10,000 seed			
<input type="text" value="4"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Milligrams less than	☆ <input type="text" value="10"/>	1=Nugget	2=Fylking	3=Delta
			Weight same as	☆ <input type="text" value="13"/>	4=Merion	5=Newport	6=Baron
<input type="text" value="3"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Milligrams more than	☆ <input type="text" value="11"/>	7=Reubens	8=Sabre	13=Rugby 2
☆	<input type="text" value="2"/>	Weight Class (g per 10,000 seed):		1 = Light (< 3g Sydspport, Merion)			
				2 = Medium (3g - 4 g Adelphi, Parade)			
				3 = Heavy (> 4g Fylking, Nugget)			

11. ENVIRONMENTAL RESISTANCE: (0=Not Tested; 1 = Very Susceptible; 2= Moderately susceptible; 3= Moderately resistant; 4 = Highly resistant):

<input type="text" value="2"/>	Cool Temperature (Winter color)	<input type="text" value="3"/>	Cold (injury)	<input type="text" value="3"/>	Heat	<input type="text" value="3"/>	Drought
<input type="text" value="2"/>	Shade	<input type="text" value="3"/>	Low Fertility	<input type="text" value="0"/>	Acid Soil (<pH. 5.5)	<input type="text" value="0"/>	Alkalinity (pH > 7.5)
<input type="text" value="0"/>	Salinity	<input type="text" value="0"/>	Soil Compaction	<input type="text" value="0"/>	Poor Drainage	<input type="text" value="0"/>	Air Pollution
<input type="text" value=""/>		<input type="text" value=""/>		<input type="text" value=""/>		<input type="text" value=""/>	Other (specify) _____

12. DISEASE RESISTANCE: (0=Not Tested; 1 = Very Susceptible; 2= Moderately susceptible; 3= Moderately resistant; 4 = Highly resistant):

<input type="text" value="4"/>	Melting-out <i>Drechslera poa</i> ( <i>Helminthosporium vagans</i> )	<input type="text" value="0"/>	Scerotina Patch <i>S. borealis</i>
<input type="text" value="4"/>	Helminthosporium Leaf spot <i>Bipolaris sorokiniana</i>	<input type="text" value="2"/>	Stem rust <i>Puccinia graminis</i>

3	Brown patch <i>Rhizoctonia solani</i>
2	Powdery mildew <i>Erysiphe graminis</i>
4	Stripe smut <i>Ustilage striiformis</i>
0	Flag Smut <i>Urocystis agropyri</i>
2	Pink Snow Mold <i>Fusarium nivale</i>
3	Ergot <i>Claviceps purpurea</i>
☆ 4	Fusarium blight <i>F. tricinctum</i> , <i>F. roseum</i>
3	Typhula Blight <i>Typhula</i> spp.
3	Dollar spot <i>Sclerotinia homoeocarpa</i>

0	Stripe Rust <i>P. striiformis</i>
2	Leaf Rust <i>P. poa-nemoralis</i>
0	Orange Stripe Rust <i>P. poarum</i>
0	Pythium Blight <i>Pythium</i> spp..
0	Red thread <i>Corticium fusciforme</i>
	Other: _____
	Other: _____

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13. INSECTS, NEMATODES, RESISTANCE: (0=Not Tested; 1 = Very Susceptible; 2= Moderately susceptible; 3= Moderately resistant; 4 = Highly resistant):

0	Chinch Bug <i>Blissus</i> spp. (give species: _____)
0	Sod Webworm <i>Crambus</i> spp. (give species: _____)
0	Bluegrass Billbug <i>Sphenophorus parvulus</i> (give species: _____)
0	White Grub (Japanese Beetle, Chafer. (give species: _____)
0	Greenbug Aphid <i>Schizaphis graminum</i>
	Other: _____
	Other: _____

14. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY, For the following characteristics indicate Degree of Resemblance by placing the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety.    2 = Same As    3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Maturity-heading	Award	1	Leaf width	Arcadia	2
Height	Arcadia	2	Leaf color spring	Arcadia	1
Seed size	Arcadia	1	Leaf color summer	Arcadia	2
Seed weight	Rugby 2	2	Leaf color winter	Arcadia	2
Cold injury	Arcadia	2	Drought	Arcadia	2
Heat	Arcadia	2	Disease	Arcadia	2
Shade	Arcadia	2	(Leaf spot)		

☆☆Specify each disease evaluated.

15. ADDITIONAL DESCRIPTION:

Describe all character

**Exhibit 16D****Additional Description of the Variety – ‘Barrister’ Kentucky bluegrass**

‘Barrister’ is a robust, heady, fine-textured Kentucky bluegrass with a noticeably lighter green panicle at anthesis than ‘Midnight’ and ‘Award.’ In Post Falls, ID, culms average 50 cm in length with panicles 8 cm on first-year plants. Culms are upright in stature, with very little lateral leaning toward the edge of the clonal plant. Culm length throughout a clonal plant appears to be somewhat irregular, with differences of 10 to 20 cm common among culms.

Panicle color is predominantly a pale green color with a diffuse, fairly even coloration of light purple throughout the panicle. From a distance, there appears to be a faint purplish cast to the stand, which is fairly uniformly distributed. There is a distinct weeping habit to the inflorescence with the top three or four nodes distinctly drooping.

In seed production leaf color is a medium-to-light green, as opposed to other varieties that are very dark green. The foliage is very narrow bladed and green in color even through anthesis. Plant lateral extension from one year’s growth from a single tiller is a robust 47 cm in diameter.

Variants in this cultivar are noticeable predominantly in the pre-heading and heading stages, with most variants possessing a different culm length than the majority plant form. About 1% of plants show a taller culm habit, with increased susceptibility to *Puccinia* rust. The culms of these taller variants can average 90 cm at maturity. There are about 2% of plants that have a shorter stature than the majority, but a similar panicle. In seed production these particular types will probably be inconspicuous. Less than 1% of plants show a tendency toward a ‘Limousine’-type seedhead, with a light green color and tight panicle.

Barrister shows some susceptibility to powdery mildew in seed production, and variation in rust resistance from plant to plant. This usually indicates a strong soil influence on disease incidence. Seed yield potential, based on observations in the breeder block, appears excellent, but slightly less than the top yielders. This is due to a somewhat lacier panicle, as opposed to the dense panicles of some other varieties.

Barrister is a versatile Kentucky bluegrass variety, with applications on golf courses, sod farms, sports fields, home lawns, roadsides, cemeteries, and other turf areas, where bluegrass is well adapted. Barrister performs well in full sun or partial shade.

Table 1. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Culm length (cm)		Sheath length (cm)		Panicle length (cm)	
	1999	2000	1999	2000	1999	2000
Barrister	49.6	52.9	10.3	9.7	8.06	9.70
Awesome	51.3	57.2	10.7	8.9	8.52	8.91
Perfection	66.7	53.9	12.0	8.9	9.67	8.86
Excursion	49.6	59.2	10.5	9.2	8.32	9.15
Tsunami	50.9	55.3	10.9	9.3	8.90	9.28
94-2695	56.7	56.1	13.0	10.8	10.15	10.76
Beyond	48.6	56.3	10.2	8.4	8.30	8.42
Absolute	61.9	58.6	11.6	11.2	8.30	11.16
Arcadia	48.6	51.9	10.7	8.6	9.12	8.59
Award	58.3	55.8	10.8	9.1	9.02	9.07
Baron	40.0	43.6	11.8	9.4	9.20	9.35
Blacksburg	53.6	50.9	10.5	8.8	8.42	8.77
Bluemoon	46.4	52.7	11.0	8.6	9.02	8.57
Chicago 2		46.4		6.9		6.89
Freedom 2	53.2	46.8	9.3	7.9	8.02	7.92
Glade	43.9	53.9	11.3	10.3	9.12	10.31
Impact	45.9	51.0	10.2	8.8	8.30	8.83
Liberator	46.0	52.6	10.9	9.0	8.83	8.99
Limousine	47.2	45.7	9.8	7.8	7.55	7.76
Midnight	54.3	60.8	10.4	8.4	8.17	8.41
Nugget	40.5	44.8	8.9	8.7	6.93	8.73
NuGlade	53.9	52.8	11.2	9.8	9.29	9.76
Odyssey	44.6	56.7	10.9	11.8	9.23	11.76
QuantumLeap	60.0	51.2	10.8	9.3	8.93	9.30
Rambo	46.8	52.9	10.0	8.4	8.21	8.42
Rugby II	45.8	54.8	9.8	9.2	8.22	9.18
Total Eclipse	48.0	53.9	9.5	8.8	7.59	8.77
Touchdown	60.8	66.1	16.5	14.3	12.23	14.28

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 2. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Flagleaf length (cm)		Flagleaf width (mm)		Flagleaf length-to-width ratio (cm <sup>-1</sup> )	
	1999	2000	1999	2000	1999	2000
<b>Barrister</b>	<b>4.33</b>	<b>3.81</b>	<b>3.48</b>	<b>2.45</b>	<b>13.1</b>	<b>16.0</b>
Awesome	5.22	3.60	3.18	1.87	16.8	21.2
Perfection	5.63	4.83	3.69	1.91	15.4	28.7
Excursion	4.83	3.96	2.92	2.35	16.9	18.1
Tsunami	5.18	4.04	4.47	2.61	12.5	16.2
94-2695	5.90	4.04	3.71	2.58	16.2	16.2
Beyond	4.76	4.25	3.09	2.14	15.6	22.4
Absolute	5.27	3.88	4.39	3.00	12.3	13.1
Arcadia	5.59	3.81	3.56	2.51	18.3	16.9
Award	5.38	4.05	3.43	2.15	16.2	20.3
Baron	4.63	3.28	3.71	3.38	14.2	14.3
Blacksburg	5.18	3.45	4.20	2.97	12.5	12.0
Bluemoon	5.32	3.95	3.39	1.58	16.1	27.6
Chicago 2		3.24		1.76		19.1
Freedom 2	4.28	3.05	3.19	2.58	14.4	12.0
Glade	4.56	4.08	3.38	2.42	13.8	18.3
Impact	4.93	4.18	3.37	1.54	14.8	29.5
Liberator	6.06	4.33	3.47	1.98	18.1	23.7
Limousine	4.36	3.42	3.33	2.56	14.4	13.8
Midnight	5.39	4.09	3.18	2.44	17.3	17.1
Nugget	3.49	3.46	3.03	2.70	12.2	12.8
NuGlade	5.14	4.01	3.84	2.46	13.7	16.4
Odyssey	5.09	4.49	4.07	2.54	12.7	17.7
QuantumLeap	5.11	4.18	3.50	2.30	14.9	18.9
Rambo	4.75	4.18	3.35	2.44	14.3	18.0
Rugby II	4.77	4.45	3.16	1.39	15.6	33.4
Total Eclipse	4.29	3.75	2.75	2.25	15.9	18.1
Touchdown	5.31	3.65	3.85	4.80	14.8	8.6

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pairwise comparisons, based on individual degrees of freedom.

Table 3. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Second leaf length (cm)		Second leaf width (mm)		Length-to-width ratio (cm cm <sup>-1</sup> )	
	1999	2000	1999	2000	1999	2000
<b>Barrister</b>	<b>6.77</b>	<b>7.87</b>	<b>3.77</b>	<b>2.67</b>	<b>18.7</b>	<b>31.8</b>
Awesome	9.03	7.48	3.57	1.88	26.9	44.4
Perfection	9.98	8.02	4.01	1.78	25.6	52.8
Excursion	8.66	8.00	3.32	2.43	27.7	36.2
Tsunami	7.31	8.00	4.50	2.69	17.1	31.8
94-2695	7.71	7.17	4.14	2.76	19.4	28.6
Beyond	8.37	7.72	3.51	2.13	24.9	41.1
Absolute	8.57	7.57	5.08	2.70	17.1	31.3
Arcadia	8.35	7.53	4.90	2.69	17.4	32.2
Award	8.82	7.89	3.83	2.45	23.9	35.1
Baron	6.70	5.87	5.31	3.08	13.4	24.4
Blacksburg	7.29	6.49	4.17	3.20	18.0	21.5
Bluemoon	8.70	6.90	3.70	1.76	24.7	45.0
Chicago 2		4.93		2.09		26.6
Freedom 2	7.26	5.81	3.88	2.45	19.5	25.2
Glade	6.84	6.81	3.74	2.65	19.2	28.8
Impact	8.68	7.79	3.67	1.72	24.6	51.6
Liberator	8.49	7.98	3.75	1.97	23.5	44.2
Limousine	6.05	5.84	3.15	2.71	20.7	22.4
Midnight	7.42	7.74	3.74	2.65	20.3	30.8
Nugget	5.51	5.85	3.28	2.64	18.1	22.7
NuGlade	8.17	8.46	3.82	2.80	22.0	31.3
Odyssey	8.30	9.12	4.48	2.70	19.3	34.2
QuantumLeap	7.91	7.93	3.80	2.30	21.5	37.4
Rambo	7.88	7.78	3.76	3.44	21.8	32.2
Rugby II	8.03	8.45	3.29	1.51	25.6	59.3
Total Eclipse	7.10	7.49	2.78	2.33	27.2	36.8
Touchdown	7.38	7.53	4.54	5.80	17.9	14.7

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pairwise comparisons, based on individual degrees of freedom.

Table 4. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Lowest internode in panicle (cm)		Panicle length minus lowest internode (cm)		Internode below panicle node (cm)	
	1999	2000	1999	2000	1999	2000
<b>Barrister</b>	1.90	1.58	6.16	6.13	29.1	25.0
Awesome	1.96	1.54	6.56	5.77	30.1	24.5
Perfection	2.21	1.66	7.46	5.95	30.3	22.7
Excursion	1.96	1.54	6.36	5.94	27.5	23.4
Tsunami	2.04	1.51	6.86	5.93	29.0	24.1
94-2695	2.34	1.87	7.81	7.12	38.1	26.0
Beyond	1.91	1.57	6.40	5.66	27.3	23.0
Absolute	2.00	1.32	6.30	5.37	28.8	21.9
Arcadia	2.17	1.51	6.94	5.62	31.2	22.7
Award	2.12	1.53	6.90	5.80	30.3	25.6
Baron	2.07	1.56	7.14	5.83	26.5	18.5
Blacksburg	1.97	1.33	6.46	5.34	34.8	25.6
Bluemoon	2.07	1.53	6.96	5.75	28.1	23.4
Chicago 2		1.29		4.60		24.4
Freedom 2	1.88	1.28	6.13	5.11	29.7	22.3
Glade	1.98	1.94	7.14	6.96	30.5	25.7
Impact	1.84	1.59	6.47	5.81	28.1	23.8
Liberator	1.94	1.51	6.88	5.61	28.6	22.5
Limousine	1.81	1.42	5.74	4.62	30.8	22.6
Midnight	1.95	1.55	6.22	5.18	28.9	25.5
Nugget	1.66	1.54	5.27	5.43	27.9	21.9
NuGlade	2.11	1.46	7.19	6.11	30.7	22.2
Odyssey	2.08	1.68	7.15	6.65	28.1	23.1
QuantumLeap	2.05	1.44	6.88	5.75	30.6	22.7
Rambo	1.82	1.43	6.39	5.51	27.7	22.0
Rugby II	1.87	1.60	6.35	5.91	27.1	22.4
Total Eclipse	1.77	1.52	5.82	5.59	26.7	23.2
Touchdown	3.26	2.36	8.98	8.19	37.3	29.2

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 5. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Branches at lowest panicle whorl		Panicle node to flagleaf collar (cm)		Culm length up to flagleaf node (cm)	
	1999	2000	1999	2000	1999	2000
<b>Barrister</b>	<b>4.30</b>	<b>3.46</b>	<b>18.8</b>	<b>15.3</b>	<b>12.5</b>	<b>27.9</b>
Awesome	4.02	3.07	19.4	0.294	0.570	0.000
Perfection	4.27	3.56	18.2	0.416	0.004	0.000
Excursion	4.02	3.22	17.0	0.007	0.051	0.000
Tsunami	4.22	3.50	18.2	0.344	0.317	0.000
94-2695	4.56	3.19	25.1	0.000	0.863	0.000
Beyond	3.78	3.18	17.2	0.012	0.159	0.001
Absolute	3.90	3.01	17.2	0.015	0.000	0.000
Arcadia	4.35	3.28	20.5	0.005	0.023	0.000
Award	4.25	3.43	19.5	0.234	0.011	0.049
Baron	4.68	3.70	14.8	0.000	0.000	0.000
Blacksburg	4.17	3.48	24.2	0.000	0.009	0.001
Bluemoon	4.03	3.27	17.1	0.009	0.324	0.001
Chicago 2		3.78		0.002		0.034
Freedom 2	4.90	4.13	20.4	0.012	0.054	0.000
Glade	4.08	3.03	19.2	0.450	0.902	0.000
Impact	4.00	3.30	17.9	0.184	0.532	0.455
Liberator	3.97	3.23	17.7	0.087	0.000	0.378
Limousine	4.97	3.93	21.0	0.000	0.449	0.001
Midnight	3.98	2.97	18.5	0.697	0.000	0.000
Nugget	3.85	2.87	19.0	0.729	0.000	0.000
NuGlade	4.23	3.48	19.5	0.226	0.000	0.000
Odyssey	4.47	3.83	17.3	0.021	0.000	0.000
QuantumLeap	4.43	3.38	19.7	0.126	0.000	0.000
Rambo	4.13	3.39	17.7	0.088	0.000	0.364
Rugby II	4.02	3.47	17.4	0.029	0.000	0.000
Total Eclipse	3.73	3.33	17.2	0.016	0.087	0.000
Touchdown	3.55	3.30	20.8	0.001	0.547	0.000

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 6. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Panicle fresh weight (g/10 panicles)		Seed length (mm)		Seed width (mm)	
	1999	2000	1999	2000	1999	2000
<b>Barrister</b>	<b>1.91</b>	<b>1.98</b>	<b>2.95</b>	<b>2.84</b>	<b>0.70</b>	<b>0.64</b>
Awesome	1.57	1.45	3.10	2.80	0.73	0.65
Perfection	2.19	1.76	3.04	2.87	0.70	0.64
Excursion	1.65	1.64	3.16	2.88	0.75	0.65
Tsunami	2.03	1.80	3.09	2.78	0.71	0.63
94-2695	1.65	2.11	3.13	2.97	0.72	0.69
Beyond	1.87	1.50	3.14	2.83	0.71	0.63
Absolute	1.30	1.85		3.02		0.68
Arcadia	2.23	2.23	3.14	2.86	0.70	0.66
Award	1.86	1.82	3.10	2.90	0.69	0.65
Baron	1.76	2.27		2.98		0.76
Blacksburg	2.04	1.42		2.49		0.66
Bluemoon	0.97	1.53	3.12	2.88	0.69	0.63
Chicago 2		1.98		3.05	0.621	0.69
Freedom 2	1.80	1.49		2.96		0.66
Glade	1.64	1.80	3.16	3.04	0.74	0.69
Impact	1.45	1.41	3.01	2.79	0.72	0.64
Liberator	1.36	1.55	3.06	2.83	0.69	0.65
Limousine	2.33	1.01		2.67		0.59
Midnight	2.61	1.59	3.05	2.87	0.70	0.65
Nugget	0.99	1.18	3.22	3.29	0.73	0.71
NuGlade	1.60	2.01	3.16	2.84	0.71	0.64
Odyssey	1.40	1.88	3.15	2.88	0.68	0.64
QuantumLeap	2.40	1.99	3.14	2.88	0.69	0.66
Rambo	1.11	1.43	3.13	2.81	0.70	0.63
Rugby II	0.92	1.86	3.03	2.94	0.69	0.67
Total Eclipse	2.10	1.31	3.09	2.77	0.70	0.63
Touchdown	1.72	1.94		2.92		0.72

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 7. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Seed length-to-width ratio (cm cm <sup>-1</sup> )		Seed weight per 100 seeds (g)	
	1999	2000	1999	2000
Barrister	4.25	4.51	0.041	0.033
Awesome	4.31	4.40	0.042	0.035
Perfection	4.39	4.53	0.039	0.035
Excursion	4.26	4.51	0.043	0.033
Tsunami	4.40	4.49	0.045	0.032
94-2695	4.37	4.33	0.046	0.042
Beyond	4.46	4.52	0.043	0.033
Absolute		4.50		0.040
Arcadia	4.49	4.42	0.045	0.035
Award	4.53	4.50	0.038	0.034
Baron		3.99		0.047
Blacksburg		3.83		0.034
Bluemoon	4.53	4.59	0.039	0.033
Chicago 2		4.47		0.046
Freedom 2		4.55		0.031
Glade	4.31	4.47	0.042	0.037
Impact	4.23	4.40	0.036	0.032
Liberator	4.46	4.39	0.036	0.032
Limousine		4.60		0.028
Midnight	4.39	4.43	0.040	0.036
Nugget	4.45	4.67	0.050	0.048
NuGlade	4.50	4.49	0.038	0.036
Odyssey	4.67	4.57	0.035	0.032
QuantumLeap	4.58	4.37	0.036	0.038
Rambo	4.49	4.53	0.040	0.032
Rugby II	4.38	4.39	0.040	0.034
Total Eclipse	4.45	4.45	0.042	0.030
Touchdown		4.07		0.046

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 8. Morphological characteristics of Kentucky bluegrass (*Poa pratensis* L.) cultivars at reproductive maturity, near Rathdrum, ID, in 1999 and 2000. Missing values indicate varieties not tested in a given year.

Variety	Reproductive maturity rating, 30 May (1-9 scale, 9=early)			Reproductive maturity rating, 7 June (1-9 scale, 9=early)		
	1999	prob.	2000	1999	prob.	2000
<b>Barrister</b>	<b>2.8</b>		<b>4.9</b>	<b>6.1</b>		<b>6.8</b>
Awesome	1.8	0.009	4.7	5.8	0.513	6.3
Perfection	2.4	0.382	5.6	6.6	0.384	6.7
Excursion	1.8	0.009	5.3	5.8	0.513	6.6
Tsunami	2.6	0.560	4.5	6.6	0.384	6.6
94-2695	5.2	0.000	7.0	7.3	0.017	7.7
Beyond	1.9	0.020	4.3	5.8	0.513	6.4
Absolute	5.2	0.000	7.6	7.9	0.001	8.4
Arcadia	3.4	0.081	4.8	6.4	0.513	5.7
Award	2.1	0.081	3.4	4.8	0.009	4.8
Baron	7.2	0.000	8.0	8.4	0.000	8.4
Blacksburg	5.2	0.000	6.7	7.7	0.002	6.9
Bluemoon	1.8	0.009	4.5	5.7	0.384	5.6
Chicago 2			6.5			7.3
Freedom 2	4.6	0.000	6.3	7.6	0.005	8.0
Glade	5.2	0.000	7.0	7.1	0.051	7.8
Impact	2.4	0.382	4.8	5.4	0.192	6.4
Liberator	2.2	0.146	4.5	5.8	0.513	4.8
Limousine	6.4	0.000	7.3	8.0	0.000	8.2
Midnight	2.6	0.560	4.3	5.0	0.030	5.8
Nugget	7.1	0.000	8.0	8.4	0.000	7.5
NuGlade	2.7	0.771	4.6	5.6	0.276	5.6
Odyssey	2.4	0.382	4.0	4.8	0.009	5.5
QuantumLeap	2.8	1.000	4.7	5.4	0.192	6.0
Rambo	2.0	0.042	3.9	6.0	0.828	4.6
Rugby II	2.0	0.042	4.6	5.0	0.030	5.8
Total Eclipse	2.1	0.081	4.7	5.4	0.192	5.8
Touchdown	9.0	0.000	9.0	9.0	0.000	9.0

\*Prob. = Probability that the variety mean is not significantly different from the variety listed at the top of the table. For example, a value of 0.050 or less would indicate significance at the 5% level of probability. Data were analyzed with ANOVA and means were separated with LSD using pair-wise comparisons, based on individual degrees of freedom.

Table 9. PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	IL2	IL3	IN1	KS2	KY1	MA1	MI1	MO1	NC1	OH1	OK1	RI1	SD1	UT1	VA1	WI1	MEAN
BARONIE	70.0	98.7	76.3	97.3	73.3	96.7	93.3	80.0	68.3	96.3	66.7	99.0	66.7	58.3	55.0	83.3	78.3	79.9
HALLMARK	76.7	98.0	83.0	95.7	68.3	95.0	93.0	80.0	65.0	97.3	63.3	98.7	75.0	58.3	53.3	92.7	91.7	79.8
COVENTRY	66.7	95.7	87.0	97.7	61.7	95.0	88.3	80.0	73.3	97.7	56.7	95.3	80.0	53.3	41.7	88.3	93.3	79.5
ERAGLETON	73.3	98.0	83.0	97.3	60.0	92.3	94.7	80.0	80.0	95.7	55.0	91.3	73.3	58.3	48.3	86.7	81.7	79.4
PST-1701	70.0	95.7	87.0	98.3	71.7	91.7	92.7	75.0	76.7	96.3	60.0	97.3	76.7	58.3	48.3	88.3	61.7	79.2
BARTIS	73.3	96.0	82.0	93.0	70.0	90.0	94.7	85.0	86.7	97.3	53.3	98.0	71.7	51.7	50.0	88.3	80.0	78.3
GOLDRUSH	70.0	91.7	83.7	92.7	61.7	89.0	93.3	76.7	75.0	91.7	60.0	98.3	71.7	65.0	45.0	83.3	81.7	78.3
WILDWOOD	73.3	98.3	73.0	97.3	63.3	88.0	83.3	83.3	73.3	97.3	61.7	99.0	70.0	53.3	50.0	91.3	90.0	78.0
DLF 76-9037	66.7	98.7	83.3	95.7	63.3	78.0	91.7	75.0	83.3	95.0	56.7	95.0	75.0	45.0	48.3	85.0	88.3	77.9
RAVEN	73.3	96.7	74.0	96.3	61.7	93.7	89.3	76.7	78.3	85.0	70.0	97.7	66.7	58.3	46.7	91.7	66.7	77.8
SERENE	73.3	96.0	82.0	93.0	63.3	75.7	90.0	80.0	83.3	97.3	58.3	98.3	71.7	53.3	46.7	80.0	88.3	77.8
PST-1804	66.7	98.7	84.3	96.0	65.0	69.0	90.0	85.0	80.0	92.0	63.3	97.0	63.3	55.0	46.7	88.3	90.0	77.8
LILY	70.0	99.0	55.0	95.0	58.3	96.3	94.7	83.3	65.0	96.0	46.7	96.0	73.3	63.3	55.0	91.0	80.0	77.5
BH 00-6002	66.7	96.0	61.0	97.3	68.3	95.3	88.3	85.0	68.3	97.0	61.7	98.0	70.0	50.0	43.3	89.3	80.0	77.4
BRILLIANT	66.7	94.7	72.7	95.7	63.3	85.0	93.0	81.7	75.0	96.3	40.0	97.7	71.7	56.7	51.7	88.3	85.0	77.4
BARONETTE (BA 81-058)	70.0	95.3	77.3	96.3	65.0	93.0	90.0	76.7	63.3	97.0	60.0	97.3	58.3	50.0	51.7	90.0	83.3	77.3
HV 238	70.0	99.0	65.3	97.0	66.7	63.3	96.3	81.7	75.0	96.7	58.3	98.7	68.3	66.7	45.0	85.0	81.7	77.3
LANGARA	70.0	98.3	73.3	95.7	66.7	85.0	90.0	78.3	78.3	95.3	53.3	98.7	70.0	48.3	46.7	86.7	80.0	77.3
APOLLO	66.7	83.7	83.7	92.3	65.0	93.7	81.7	75.0	70.0	94.0	63.3	98.0	73.3	50.0	46.7	86.7	90.0	77.3
WASHINGTON	80.0	75.3	76.3	98.0	63.3	92.3	95.0	85.0	86.7	88.3	58.3	94.7	65.0	73.3	58.3	96.7	96.7	77.3
LAKESHORE (A93-200)	70.0	98.0	70.7	97.0	61.7	71.7	86.7	75.0	75.0	96.0	55.0	98.3	78.3	45.0	53.3	91.0	90.0	77.2
J-1513	70.0	92.0	71.3	96.0	55.0	83.3	90.0	73.3	76.7	96.0	41.7	95.3	73.3	65.0	58.3	86.7	88.3	77.2
ALPINE	60.0	94.7	81.3	96.0	56.7	85.0	91.7	83.3	65.0	97.3	36.7	94.3	68.3	70.0	48.3	88.3	93.3	77.1
MARQUIS	63.3	95.3	87.7	94.7	56.7	94.7	88.3	76.7	70.0	97.3	63.3	99.0	60.0	48.3	45.0	88.3	80.0	77.1
ARCADIA	63.3	96.0	84.3	95.7	53.3	81.7	91.3	80.0	81.7	96.3	60.0	97.3	73.3	53.3	40.0	76.7	85.0	77.0
LIMOUSINE	80.0	95.3	65.7	96.3	55.0	78.3	91.7	81.7	56.7	97.3	51.7	98.3	66.7	58.3	53.3	90.0	90.0	76.8
ABBEY	66.7	94.7	84.0	95.3	61.7	93.7	93.3	78.3	61.7	94.0	48.3	95.0	68.3	51.7	56.7	85.0	76.7	76.8
SRX 2114	70.0	91.0	84.3	97.3	60.0	83.0	90.0	80.0	70.0	96.3	48.3	97.7	58.3	51.7	46.7	89.3	90.0	76.7
BLACKSTONE	70.0	93.0	66.7	96.0	58.3	85.0	88.0	80.0	73.3	97.7	55.0	98.7	65.0	60.0	56.7	91.7	68.3	76.7
AWARD	63.3	95.3	70.3	97.0	53.3	91.3	89.7	76.7	71.7	91.3	51.7	95.0	75.0	58.3	48.3	85.0	90.0	76.7
MOON SHADOW (PICK 113-3)	70.0	90.0	56.3	96.7	63.3	91.7	94.7	71.7	85.0	95.0	58.3	98.3	66.7	61.7	40.0	76.7	85.0	76.5
IMPACT	73.3	93.0	72.3	95.7	60.0	73.3	86.7	80.0	65.0	97.3	53.3	95.3	65.0	66.7	48.3	86.7	88.3	76.5
HV 140	70.0	90.3	92.0	97.3	53.3	84.0	89.7	76.7	68.3	93.0	50.0	98.3	63.3	48.3	51.7	86.7	86.7	76.5
PST-10G-27	73.3	94.7	74.3	94.7	60.0	80.0	86.7	80.0	76.7	96.7	58.3	94.3	73.3	40.0	46.7	83.3	86.7	76.5
JEFFERSON	70.0	95.3	64.3	97.0	68.3	84.7	90.0	80.0	66.7	97.0	55.0	97.0	73.3	50.0	50.0	85.0	75.0	76.4
DLF 76-9036	73.3	95.0	86.3	96.0	55.0	91.7	90.0	73.3	75.0	96.3	48.3	94.3	70.0	46.7	50.0	81.7	83.3	76.3
BARTTIA	63.3	95.7	72.7	92.7	58.3	76.7	93.3	71.7	83.3	96.3	50.0	97.3	70.0	40.0	55.0	81.7	88.3	76.3
H94-293	70.0	96.3	86.3	96.7	56.7	80.0	86.7	80.0	76.7	89.3	43.3	96.3	66.7	53.3	46.7	82.7	88.3	76.2
BARITONE	70.0	94.0	86.3	97.0	65.0	91.3	94.7	76.7	71.7	97.3	51.7	97.7	61.7	46.7	41.7	76.7	75.0	76.2
LIMERICK	70.0	95.3	77.0	96.7	56.7	88.3	88.3	83.3	58.3	97.3	40.0	94.7	78.3	50.0	53.3	92.7	71.7	76.0
H92-203	63.3	97.3	92.3	92.0	66.7	78.3	85.0	80.0	61.7	97.0	55.0	97.3	75.0	55.0	40.0	81.7	83.3	75.9
BEDAZZLED	60.0	77.3	66.0	95.7	56.7	75.0	90.0	80.0	78.3	98.0	51.7	97.3	78.3	53.3	56.7	93.0	83.3	75.9
PICK-232	63.3	96.0	52.7	96.3	61.7	91.3	93.3	80.0	68.3	96.7	46.7	98.3	65.0	63.3	41.7	92.7	83.3	75.9
ARROW (A97-1567)	76.7	98.0	75.3	94.0	56.7	85.0	90.0	78.3	75.0	96.7	48.3	95.0	60.0	48.3	41.7	88.3	83.3	75.9

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TABLE 9. (CONT'D)

PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	IL2	IL3	IN1	KS2	KY1	MA1	MII	MO1	NC1	OHI	OK1	RI1	SD1	UT1	VA1	WI1	MEAN
J-1515	66.7	95.0	82.0	92.7	51.7	58.0	93.3	71.7	73.3	97.0	53.3	98.0	80.0	55.0	50.0	80.0	91.7	75.8
A97-1330	70.0	88.7	84.0	96.0	73.3	64.7	91.3	76.7	70.0	96.0	51.7	98.7	73.3	50.0	40.0	76.7	88.3	75.8
LIBERATOR	70.0	89.3	64.7	95.7	58.3	78.0	91.7	75.0	70.0	97.3	60.0	98.0	63.3	53.3	53.3	86.0	85.0	75.8
FAIRFAX	70.0	97.3	62.0	96.7	58.3	94.7	85.0	80.0	65.0	92.0	58.3	97.3	70.0	60.0	46.7	80.0	75.0	75.8
ROYCE (A98-304)	66.7	94.3	75.3	95.7	56.7	53.3	90.0	73.3	78.3	95.3	68.3	98.7	78.3	43.3	41.7	88.3	90.0	75.7
KENBLUE	76.7	93.7	83.7	97.0	65.0	75.0	91.7	80.0	76.7	73.3	63.3	98.0	80.0	65.0	56.7	91.7	20.0	75.7
BORDEAUX	66.7	92.0	83.0	96.0	65.0	59.0	95.0	78.3	63.3	97.7	56.7	97.7	55.0	51.7	53.3	88.3	85.0	75.5
SRX 26351	70.0	96.0	67.3	97.3	58.3	65.3	86.7	73.3	75.0	97.3	53.3	98.7	68.3	56.7	41.7	85.0	91.7	75.4
PP H 6370	63.3	91.7	75.0	96.7	55.0	78.3	91.7	76.7	61.7	93.3	61.7	97.3	75.0	55.0	41.7	83.3	83.3	75.3
MOONLIGHT	70.0	82.7	72.7	91.0	51.7	93.7	88.3	78.3	76.7	96.3	45.0	98.7	65.0	48.3	45.0	81.7	95.0	75.3
A96-427	66.7	87.7	65.0	97.3	65.0	79.7	88.3	81.7	65.0	95.0	53.3	96.7	66.7	53.3	48.3	80.0	90.0	75.3
A98-881	70.0	94.7	43.3	96.0	63.3	75.0	85.0	80.0	73.3	96.7	51.7	98.7	70.0	58.3	55.0	86.7	85.0	75.3
BA 84-140	70.0	86.0	85.0	96.3	56.7	67.3	85.0	80.0	51.7	96.3	65.0	97.7	51.7	65.0	51.7	83.3	90.0	75.2
PICK 417	63.3	92.0	82.3	96.7	63.3	90.0	86.7	75.0	60.0	97.7	51.7	96.0	61.7	50.0	50.0	80.0	81.7	75.2
PST-B5-125	70.0	94.3	73.7	95.3	60.0	94.0	88.3	80.0	61.7	97.3	46.7	91.3	61.7	43.3	50.0	80.0	88.3	75.1
BROOKLAWN	66.7	98.3	66.7	96.3	61.7	55.0	95.0	71.7	85.0	97.3	46.7	97.0	68.3	55.0	46.7	83.3	85.0	75.0
BA 83-113	56.7	97.0	74.3	96.3	51.7	96.0	81.3	78.3	70.0	98.3	55.0	98.7	61.7	45.0	46.7	86.7	81.7	75.0
RITA	76.7	82.7	44.7	95.7	55.0	96.0	86.7	76.7	76.7	97.0	58.3	99.0	68.3	46.7	43.3	85.0	86.7	75.0
CHAMPAGNE	66.7	98.0	65.3	96.7	63.3	84.0	91.7	78.3	66.7	97.0	63.3	91.7	65.0	45.0	55.0	81.7	65.0	75.0
PRINCETON 105	70.0	90.7	42.7	97.0	53.3	87.3	91.7	78.3	65.0	97.3	46.7	95.7	75.0	66.7	40.0	86.7	88.3	74.8
NUGLADE	73.3	97.3	52.7	94.7	46.7	76.7	83.3	80.0	70.0	95.7	65.0	98.7	73.3	56.7	43.3	86.7	86.7	74.7
ALLURE	66.7	90.0	72.7	95.3	58.3	81.3	86.7	80.0	68.3	93.3	61.7	98.7	63.3	50.0	41.7	76.7	74.7	74.7
A96-742	56.7	97.7	91.0	97.3	50.0	91.3	93.3	78.3	68.3	83.3	61.7	98.7	65.0	53.3	46.7	76.7	60.0	74.7
A98-1028	66.7	98.0	52.0	96.7	55.0	70.0	89.7	78.3	80.0	94.7	45.0	98.0	83.3	48.3	45.0	81.7	90.0	74.5
SRX 2394	66.7	98.0	62.7	94.3	51.7	86.7	91.3	78.3	66.7	97.7	45.0	95.7	71.7	48.3	58.3	80.0	86.7	74.5
SHOWCASE	70.0	86.3	82.0	96.0	53.3	73.3	85.0	80.0	73.3	97.0	51.7	94.7	71.7	53.3	41.7	70.0	85.0	74.4
BAR PP 0471	63.3	95.3	75.0	92.3	55.0	79.7	88.3	73.3	76.7	96.0	48.3	98.7	68.3	46.7	35.0	85.0	86.7	74.3
A97-1409	66.7	95.7	52.7	94.0	63.3	86.7	86.7	75.0	65.0	98.0	63.3	98.0	58.3	53.3	36.7	83.3	86.7	74.3
B3-185	63.3	97.3	72.3	93.0	56.7	79.7	88.3	71.7	63.3	97.0	61.7	94.7	61.7	48.3	48.3	78.3	86.7	74.3
TSUNAMI (J-2487)	70.0	92.7	72.0	97.7	50.0	78.3	83.3	66.7	71.7	93.3	50.0	98.3	68.3	60.0	40.0	81.7	86.7	74.2
GO-91M9	73.3	96.7	77.0	98.0	65.0	70.7	93.3	85.0	73.3	94.7	51.7	95.3	55.0	76.7	55.0	88.3	11.7	74.2
UNKNOWN	66.7	97.3	81.3	95.7	48.3	72.3	88.3	80.0	76.7	97.7	31.7	98.3	65.0	48.3	41.7	81.7	88.3	74.1
SONOMA	63.3	97.3	70.7	96.0	61.7	73.3	90.0	78.3	61.7	97.0	53.3	89.7	66.7	51.7	38.3	80.0	88.3	74.1
RAMBO	70.0	85.3	72.7	97.0	55.0	93.0	93.3	76.7	56.7	96.7	45.0	95.3	63.3	56.7	40.0	81.7	81.7	74.0
J-1838	66.7	85.3	71.3	95.7	56.7	61.7	90.0	73.3	76.7	97.0	41.7	98.0	73.3	45.0	53.3	85.0	86.7	74.0
WELLINGTON	73.3	89.3	93.7	97.0	60.0	66.7	88.3	80.0	53.3	97.7	66.7	98.7	65.0	58.3	46.7	87.7	40.0	74.3
BARON	66.7	77.3	88.0	96.3	53.3	71.7	88.0	78.3	60.0	96.3	53.3	97.7	58.3	61.7	46.7	81.7	81.7	73.9
EXCURSION (J-1648)	73.3	92.0	61.7	96.3	48.3	63.3	81.7	80.0	68.3	97.0	61.7	98.3	63.3	50.0	41.7	88.3	91.7	73.9
BLACKSBURG II (EST-1EMY)	70.0	85.7	66.0	96.7	56.7	93.0	90.0	80.0	63.3	96.7	41.7	92.0	61.7	50.0	43.3	86.7	81.7	73.8
ROYALE (A97-1336)	63.3	92.3	72.3	95.7	58.3	56.7	86.7	78.3	53.3	97.0	60.0	92.3	73.3	53.3	46.7	86.7	88.3	73.8
J-2695	66.7	95.0	74.0	97.3	51.7	80.0	91.7	78.3	61.7	95.7	38.3	99.0	61.7	43.3	43.3	80.0	91.7	73.8
MALLARD (A97-1439)	70.0	91.0	62.0	96.0	60.0	69.3	86.7	83.3	66.7	97.7	51.7	95.0	63.3	48.3	50.0	83.3	85.0	73.8
BLUE RIDGE (A97-1449)	73.3	89.0	43.0	96.0	65.0	75.7	83.3	78.3	73.3	97.0	51.7	92.0	66.7	50.0	41.7	89.7	88.3	73.8
BAR PP 0468	60.0	98.7	75.0	95.3	58.3	78.3	88.3	75.0	68.3	96.0	51.7	98.0	63.3	40.0	41.7	76.7	86.7	73.6

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TABLE 9. (CONT'D) PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	IL2	IL3	IN1	KS2	KY1	MA1	MI1	MO1	NC1	OH1	OK1	RI1	SD1	UT1	VA1	WI1	MEAN
SHAMROCK	63.3	79.7	66.7	97.3	58.3	68.3	90.0	71.7	71.7	95.0	58.3	95.7	65.0	51.7	46.7	86.7	85.0	73.6
MIDNIGHT II (A98-739)	70.0	82.3	74.3	96.7	56.7	68.3	90.0	78.3	56.7	96.7	36.7	94.7	71.7	51.7	48.3	85.0	91.7	73.5
J-1420	56.7	96.0	55.0	96.7	56.7	73.3	86.7	78.3	73.3	94.0	48.3	96.0	70.0	53.3	40.0	88.3	86.7	73.5
PICK 453	70.0	90.3	70.3	96.0	63.3	81.7	88.0	76.7	71.7	92.7	38.3	98.0	60.0	58.3	33.3	76.7	83.3	73.5
CABERNET	73.3	98.3	83.0	96.3	61.7	78.3	88.3	75.0	58.3	98.0	43.3	95.7	61.7	45.0	51.7	73.3	66.7	73.4
JULIA	66.7	95.0	62.3	96.3	63.3	53.0	86.7	83.3	81.7	96.0	51.7	97.0	63.3	45.0	45.0	81.7	80.0	73.4
SR 2284 (SRX 2284)	63.3	98.0	73.0	94.7	61.7	60.7	81.7	80.0	58.3	97.3	36.7	97.7	70.0	56.7	48.3	85.0	85.0	73.4
A97-1432	70.0	95.3	73.0	94.0	53.3	75.7	89.7	71.7	70.0	96.7	50.0	95.3	51.7	40.0	48.3	85.0	88.3	73.4
CHAMPLAIN (A98-1275)	63.3	89.3	49.7	96.3	51.7	73.3	90.0	73.3	66.7	97.7	45.0	94.7	73.3	56.7	48.3	90.0	88.3	73.4
PST-YORK HARBOR 4	70.0	87.0	63.7	96.3	55.0	91.3	81.7	76.7	55.0	96.0	55.0	95.0	63.3	51.7	33.3	83.3	91.7	73.3
GOLDSTAR (A98-296)	70.0	90.0	51.3	97.0	56.7	88.0	88.3	70.0	61.7	96.3	46.7	98.7	66.7	50.0	50.0	75.0	86.7	73.1
BLUESTONE (PST-731)	66.7	91.3	53.7	92.7	51.7	63.3	88.3	81.7	76.7	97.0	45.0	95.0	58.3	56.7	53.3	78.3	91.7	73.0
PP H 6366	66.7	90.3	64.0	96.7	56.7	68.7	80.0	75.0	58.3	96.3	46.7	95.3	71.7	51.7	48.3	88.3	86.7	73.0
A98-365	56.7	93.3	63.0	96.3	58.3	54.0	93.0	78.3	76.7	96.0	45.0	98.3	68.3	38.3	50.0	85.0	90.0	73.0
BA 82-288	70.0	93.3	61.0	96.7	56.7	71.7	83.3	76.7	61.7	97.0	45.0	95.3	61.7	56.7	45.0	83.3	85.0	72.9
JULIUS	66.7	94.0	70.0	95.3	48.3	79.0	86.7	75.0	75.0	96.3	21.0	95.7	68.3	51.7	45.0	83.3	86.7	72.8
PST-222	56.7	91.0	64.7	96.7	53.3	60.0	89.7	80.0	60.0	96.0	55.0	97.0	60.0	51.7	53.3	90.0	90.0	72.7
MISTY	66.7	93.3	46.3	94.0	56.7	88.3	86.7	73.3	70.0	96.0	31.7	92.0	68.3	46.7	48.3	88.3	90.0	72.7
A96-739	70.0	95.7	33.7	96.0	55.0	89.7	86.7	78.3	65.0	97.3	55.0	93.0	61.7	51.7	41.7	81.7	83.3	72.7
BOUTIQUE	66.7	94.3	42.7	96.3	53.3	65.0	86.7	80.0	76.7	96.7	58.3	94.0	56.7	45.0	51.7	83.3	86.7	72.6
BARRISTER (J-1655)	63.3	89.7	55.7	96.3	48.3	66.7	90.0	73.3	78.3	92.7	38.3	98.0	71.7	46.7	50.0	81.7	91.7	72.5
NORTH STAR	63.3	81.3	81.7	95.3	45.0	81.7	86.7	75.0	78.3	95.7	48.3	98.3	60.0	41.7	33.3	76.7	90.0	72.5
PRO SEEDS - 453	66.7	86.3	64.0	96.7	70.0	71.7	86.7	71.7	60.0	97.0	58.3	98.3	56.7	40.0	41.7	81.7	85.0	72.5
PST-B5-89	66.7	78.7	74.0	96.0	53.3	81.7	83.3	80.0	55.0	97.0	46.7	98.0	70.0	36.7	45.0	76.7	93.3	72.5
B5-144	60.0	98.3	73.0	89.0	50.0	71.7	91.7	73.3	66.7	88.3	45.0	98.7	70.0	43.3	43.3	81.7	86.7	72.4
A98-139	70.0	90.3	81.0	97.0	58.3	89.7	80.0	73.3	53.3	97.0	28.3	97.3	55.0	58.3	41.7	86.3	73.3	72.4
CHICAGO II	60.0	95.3	72.3	96.7	55.0	64.7	80.0	73.3	70.0	96.3	51.7	94.7	58.3	51.7	36.7	81.7	91.7	72.4
CHATEAU	66.7	95.7	55.7	96.3	55.0	76.7	80.0	76.7	76.7	95.3	23.3	97.0	80.0	50.0	41.7	78.3	85.0	72.4
SRX QG245	70.0	91.3	74.0	97.0	55.0	51.7	93.3	80.0	70.0	88.3	60.0	98.0	50.0	60.0	43.3	81.7	65.0	72.3
PP H 7832	60.0	85.7	71.7	95.3	61.7	43.3	91.3	78.3	66.7	97.3	53.3	95.3	70.0	50.0	46.7	81.7	80.0	72.3
TOTAL ECLIPSE	70.0	83.0	62.0	95.7	50.0	76.7	93.3	75.0	56.7	97.3	50.0	89.7	65.0	48.3	50.0	80.0	85.0	72.2
ODYSSEY	66.7	89.3	45.3	96.7	48.3	72.3	81.7	71.7	71.7	96.7	51.7	95.3	73.3	50.0	40.0	81.7	91.7	72.0
QUANTUM LEAP	63.3	95.7	63.7	93.3	53.3	65.0	83.3	76.7	71.7	97.0	43.3	97.3	56.7	48.3	41.7	86.7	86.7	72.0
J-1368	76.7	90.7	34.7	95.3	50.0	76.7	90.0	75.0	70.0	95.3	38.3	92.3	68.3	48.3	45.0	83.3	93.3	72.0
H92-558	70.0	91.7	24.3	97.3	56.7	70.7	91.7	75.0	76.7	97.0	46.7	98.3	58.3	55.0	48.3	80.0	86.7	71.9
PST-H5-35	70.0	89.7	53.3	95.7	48.3	76.7	89.7	78.3	71.7	97.3	41.7	97.0	51.7	46.7	48.3	78.3	88.3	71.9
MIDNIGHT	73.3	80.0	53.7	97.3	55.0	64.7	93.0	80.0	63.3	97.3	53.3	92.3	63.3	46.7	36.7	86.0	80.0	71.8
B5-45	56.7	79.3	44.7	90.0	55.0	81.7	93.0	75.0	75.0	96.7	43.3	96.7	73.3	50.0	48.3	85.0	86.7	71.7
A97-1715	70.0	82.3	17.3	97.0	55.0	85.0	90.0	75.0	73.3	97.3	56.7	95.3	68.3	45.0	51.7	76.7	81.7	71.6
BAR PP 0573	70.0	85.3	45.3	85.0	56.7	80.0	83.3	75.0	73.3	95.0	53.3	98.3	68.3	41.7	48.3	75.0	83.3	71.6
PST-H6-150	63.3	89.3	55.0	93.3	53.3	80.0	83.3	76.7	70.0	97.3	50.0	95.7	68.3	51.7	35.0	66.7	88.3	71.6
B3-171	66.7	95.7	54.3	95.7	60.3	60.3	89.7	78.3	61.7	96.0	35.0	98.3	65.0	48.3	40.0	80.0	91.7	71.6
BEYOND (J-1880)	66.7	92.0	75.3	69.3	48.3	53.3	86.7	78.3	78.3	96.3	50.0	97.0	66.7	45.0	43.3	83.3	86.7	71.6
ENVICTA	70.0	98.3	54.7	96.7	58.3	93.3	84.7	73.3	78.3	98.3	33.3	97.3	65.0	50.0	40.0	83.3	66.7	71.6
PST-161	63.3	85.3	61.3	95.7	61.7	84.7	75.0	78.3	48.3	97.0	45.0	98.3	66.7	50.0	41.7	86.7	76.7	71.5

TABLE 9. (CONT'D) PERCENT LIVING GROUND COVER (SPRING) RATINGS OF KENTUCKY BLUEGRASS CULTIVARS 1/  
2001 DATA

PERCENT LIVING GROUND COVER IN SPRING: LOCATIONS 2/

NAME	IA1	IL2	IL3	IN1	KS2	KY1	MA1	MI1	MO1	NC1	OH1	OK1	RI1	SD1	UT1	VA1	WI1	MEAN
ASCOT	66.7	86.7	64.0	94.3	55.0	70.0	75.0	76.7	68.3	96.0	36.7	94.0	65.0	46.7	41.7	88.3	90.0	71.5
A96-451	63.3	89.7	44.7	96.0	63.3	76.7	89.7	76.7	60.0	97.0	45.0	95.7	56.7	51.7	40.0	81.7	86.7	71.4
BLUE KNIGHT	63.3	85.7	54.0	92.0	50.0	55.0	88.3	75.0	73.3	96.3	45.0	97.3	63.3	58.3	43.3	80.0	93.3	71.4
SRX 27921	63.3	89.3	76.0	96.0	53.3	60.0	83.3	75.0	68.3	95.7	45.0	97.0	60.0	43.3	43.3	80.0	83.3	71.3
PST-B3-170	66.7	93.0	50.7	96.7	55.0	64.3	88.3	78.3	78.3	97.0	38.3	97.0	58.3	38.3	41.7	78.3	91.7	71.3
B4-128A	66.7	92.3	34.0	95.3	55.0	70.0	78.3	75.0	75.0	97.3	31.7	97.3	50.0	46.7	83.3	86.7	70.9	70.9
NA-K992	76.7	87.3	77.0	96.3	53.3	52.0	90.0	86.7	63.3	97.3	46.7	93.7	76.7	45.0	41.7	71.7	76.7	70.8
A97-857	66.7	81.3	86.3	93.3	51.7	70.0	86.7	63.3	63.3	96.3	38.3	95.3	65.0	38.3	43.3	80.0	83.3	70.7
MONTE CARLO (A96-402)	66.7	89.7	44.3	94.0	58.3	39.0	76.7	73.3	63.3	97.0	55.0	93.7	80.0	51.7	45.0	86.7	88.3	70.7
FREEDOM II	63.3	93.7	56.0	96.3	50.0	65.0	86.7	73.3	68.3	97.7	40.0	91.3	68.3	51.7	40.0	71.7	88.3	70.7
EVEREST	66.7	79.3	45.7	93.3	53.3	53.3	86.7	78.3	78.3	91.7	28.3	95.0	70.0	51.7	38.3	85.0	90.0	70.4
DLF 76-9032	63.3	90.7	55.7	90.0	51.7	59.3	91.7	76.7	60.0	97.0	53.3	99.0	48.3	50.0	33.3	81.7	83.3	70.3
PP H 7907	63.3	87.3	74.7	93.7	56.7	31.0	88.3	81.7	48.3	96.3	65.0	96.0	63.3	41.7	38.3	85.0	83.3	70.2
B5-43	63.3	91.3	62.3	90.0	51.7	65.0	91.7	73.3	71.7	96.7	26.7	92.3	63.3	41.7	38.3	85.0	83.3	70.2
EVERGLADE	66.7	78.7	74.7	93.3	51.7	35.0	86.7	73.3	68.3	96.7	35.0	97.3	68.3	41.7	53.3	83.3	88.3	70.1
PST-604	66.7	94.7	42.0	96.0	61.7	75.0	85.0	75.0	51.7	97.0	38.3	90.3	66.7	40.0	45.0	76.7	88.3	70.0
PST-B4-246	63.3	98.3	46.7	93.3	50.0	80.0	85.0	71.7	71.7	96.3	43.3	92.7	70.0	46.7	43.3	86.7	88.3	69.2
J-2561	66.7	81.3	52.3	95.3	48.3	39.0	83.3	71.7	73.3	90.0	58.3	92.7	65.0	43.3	45.0	76.7	85.0	69.0
J-2885	66.7	84.7	37.3	94.3	53.3	45.0	78.3	73.3	73.3	96.7	48.3	94.0	63.3	43.3	43.3	86.7	85.0	68.9
RUGBY II	60.0	77.7	55.0	96.7	55.0	41.0	81.7	76.7	73.3	90.0	58.3	92.7	65.0	43.3	45.0	76.7	85.0	68.9
DLF 76-9034	66.7	84.7	44.7	90.0	61.7	75.0	85.0	75.0	51.7	97.0	38.3	90.3	66.7	40.0	45.0	76.7	88.3	70.0
J-2890	60.0	88.0	74.7	70.0	60.0	78.3	90.0	73.3	61.7	96.7	33.3	94.0	60.0	51.7	41.7	71.7	66.7	68.9
PST-108-79	63.3	85.3	45.3	96.0	53.3	25.7	88.3	78.3	71.7	93.3	30.0	98.3	73.3	46.7	40.0	86.7	85.0	68.3
SI A96-386	63.3	87.0	45.0	94.0	53.3	64.0	73.3	76.7	68.3	97.0	31.7	93.7	71.7	43.3	40.0	78.3	80.0	68.3
A98-183	66.7	79.0	48.0	94.0	55.0	45.0	81.7	78.3	55.0	96.3	51.7	89.7	55.0	51.7	45.0	83.3	81.7	68.1
BAR PF 0566	66.7	78.7	44.7	95.3	56.7	43.3	90.0	78.3	63.3	96.7	38.3	93.3	61.7	40.0	43.3	83.3	76.7	67.6
BA 00-6001	66.7	83.0	36.7	93.3	61.7	53.3	78.3	75.0	73.3	96.7	35.0	93.7	61.7	33.3	38.3	78.3	90.0	67.5
BOOMERANG	56.7	88.3	45.7	95.7	50.0	61.7	76.7	70.0	68.3	96.7	31.7	96.7	63.3	45.0	46.7	75.0	80.0	67.5
NA-K991	63.3	64.7	61.3	94.0	53.3	34.0	85.0	73.3	51.7	96.7	55.0	96.7	53.3	51.7	40.0	85.0	85.0	67.3
JEWEL	63.3	83.0	23.3	96.7	56.7	48.3	88.3	78.3	76.7	92.3	38.3	91.7	41.7	46.7	41.7	78.3	83.3	66.4
IB7-308	70.0	90.0	44.0	97.0	60.0	75.0	76.7	75.0	65.0	46.7	43.3	98.0	48.3	53.3	48.3	78.3	41.7	65.3
PP H 7929	53.3	87.7	34.0	90.3	55.0	29.7	78.3	73.3	56.7	96.7	51.7	92.0	56.7	45.0	45.0	75.0	88.3	65.2
99AN-53	63.3	69.0	45.0	92.0	46.7	20.3	91.3	75.0	56.7	97.0	45.0	94.7	55.0	41.7	43.3	81.7	83.3	64.8
BARZAN	70.0	84.3	42.3	96.0	48.3	53.3	85.0	76.7	45.0	96.0	23.3	98.3	51.7	38.3	41.7	68.3	70.0	64.0
BODACIOUS	60.0	72.0	26.3	83.3	46.7	68.3	76.7	61.7	61.7	96.0	18.3	96.7	68.3	40.0	50.0	66.7	80.0	64.0
A98-407	60.0	72.3	56.3	93.3	51.7	19.0	86.3	78.3	51.7	96.0	40.0	94.0	45.0	36.7	51.7	75.0	71.7	63.5
CVB-20631	53.3	81.0	36.7	93.3	46.7	49.7	71.7	70.0	51.7	95.0	21.7	93.7	58.3	36.7	41.7	73.3	90.0	62.6
BH 00-6003	53.3	74.0	42.3	91.7	45.0	60.0	74.7	71.7	66.7	88.3	23.3	86.7	55.0	35.0	31.7	63.3	75.0	61.0
	60.0	92.7	26.0	93.3	60.0	40.0	65.0	83.3	26.7	94.3	6.7	91.3	56.7	31.7	36.7	68.3	70.0	59.0
LSD VALUE	12.5	14.2	20.2	8.4	11.2	34.7	13.8	13.7	31.4	5.3	25.8	7.9	12.6	20.6	13.9	13.6	11.2	4.3
C.V. (%)	11.6	9.8	19.5	5.5	12.2	29.7	9.8	11.0	28.5	3.5	33.0	5.1	12.0	25.4	19.0	10.2	8.4	15.1

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

#200300001

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS GROWN AT EIGHT LOCATIONS 1/ IN THE TRANSITION REGION 2001-05 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KS2	KY1	MD1	MO1	NC1	OK1	VA1	MEAN
NU DESTINY (J-2695)	7.0	5.5	7.8	5.8	6.1	4.8	6.6	5.1	6.0
DIVA (PRO SEEDS - 453)	6.5	5.2	7.4	6.2	5.8	4.7	6.3	5.7	5.9
BARRISTER (J-1655)	6.7	5.1	7.6	5.9	6.2	4.6	5.9	5.8	5.9
FREEDOM III (J-2890)	6.8	4.2	7.2	6.0	6.2	4.9	7.1	5.6	5.9
BLUE VELVET (J-1513)	6.5	4.8	7.9	5.8	6.3	5.0	5.7	5.3	5.8
AWESOME (J-1420)	6.9	5.3	7.4	5.8	5.9	4.7	5.9	5.1	5.8
SKYE (A97-1715)	6.4	5.3	7.2	5.6	5.9	5.3	5.8	5.4	5.8
UNKNOWN	6.6	5.4	6.1	6.1	5.9	4.7	6.8	5.2	5.8
PERFECTION (J-1515)	6.8	4.4	6.7	5.9	6.3	4.5	6.7	5.8	5.8
EVERGLADE	6.6	5.3	6.9	5.7	6.2	4.7	5.8	5.6	5.8
MOON SHADOW (PICK 113-3)	7.0	5.7	7.1	5.6	6.0	4.5	5.8	4.8	5.8
IMPACT	6.3	5.2	6.9	5.9	6.2	4.5	6.2	5.3	5.8
SORBONNE (DLF 76-9037)	6.7	5.1	6.7	5.9	5.9	4.6	6.3	5.4	5.7
EXCURSION (J-1648)	6.8	5.2	6.8	5.9	5.8	4.7	6.1	5.1	5.7
AWARD	6.6	5.2	6.8	6.0	6.1	4.8	5.8	4.8	5.7
MIDNIGHT II (A98-739)	7.0	4.3	7.4	6.1	5.8	5.0	5.6	5.0	5.7
TSUNAMI (J-2487)	6.6	4.1	7.6	6.0	6.2	4.4	6.6	4.8	5.7
QUANTUM LEAP	7.1	4.4	6.9	5.8	5.9	4.7	6.3	4.8	5.7
ROYCE (A98-304)	6.4	5.0	6.5	6.0	6.0	4.3	6.3	5.5	5.7
ODYSSEY	6.8	4.8	6.5	5.6	6.0	4.7	6.3	4.6	5.6
BLUESTONE (PST-731)	6.7	4.7	6.9	5.9	6.1	4.6	5.9	4.6	5.6
J-2885	6.7	4.7	6.6	5.9	5.7	4.7	6.0	4.8	5.6
BARNIQUE (BAR PP 0471)	6.6	4.5	6.3	6.0	5.9	4.5	6.0	5.8	5.6
GINNEY (J-1368)	6.6	3.7	6.8	6.0	6.2	4.6	6.2	5.0	5.6
CABERNET	7.2	4.4	6.6	5.4	5.2	4.8	5.8	5.5	5.6
LIBERATOR	5.5	5.2	6.9	5.3	6.0	4.8	6.2	5.4	5.6
TOTAL ECLIPSE	6.5	4.0	6.8	5.9	6.0	4.4	6.4	5.1	5.6
ALEXA (J-2561)	6.1	3.4	6.8	6.1	5.9	5.1	6.1	5.2	5.5
RUGBY II	5.9	4.6	7.0	5.8	5.8	4.4	6.5	5.0	5.5
LANGARA	6.8	5.5	6.6	5.7	5.4	3.9	6.1	4.6	5.5
COURTYARD (J-1838)	6.1	3.8	7.0	6.1	6.4	4.5	5.9	4.7	5.5
VALOR (A97-1330)	5.9	5.0	6.4	5.5	5.7	4.4	6.2	5.7	5.5
BA 00-6001	6.0	4.2	6.4	5.8	5.9	4.5	6.2	5.3	5.5
BEYOND (J-1880)	6.8	3.3	6.6	5.7	6.3	4.5	6.1	5.5	5.5
BEDAZZLED	5.7	5.1	6.1	5.9	6.1	4.4	5.5	5.6	5.5
BRILLIANT	6.2	4.0	6.7	6.2	5.9	3.9	5.7	6.0	5.5
A98-365	6.3	4.6	6.6	5.9	5.0	4.2	6.3	5.9	5.5
UNIQUE	6.5	4.8	6.7	5.8	5.8	4.4	5.0	4.9	5.5
EVEREST	5.5	4.7	6.8	5.5	6.2	4.5	5.8	5.5	5.5
VOYAGER II (PST-10G-27)	5.8	4.7	6.4	5.9	6.1	4.2	4.9	6.1	5.5
MIDNIGHT	6.5	4.6	6.7	5.9	5.9	4.9	5.2	4.1	5.4
APOLLO	6.0	4.1	7.1	5.6	5.7	4.3	5.9	5.5	5.4
DELIGHT (A97-1432)	6.1	3.6	7.1	6.0	5.8	4.4	5.9	5.6	5.4
BAR PP 0566	6.6	4.8	6.0	5.2	5.7	4.8	5.2	5.4	5.4

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(CONT'D)  
GROWN AT EIGHT LOCATIONS 1/  
IN THE TRANSITION REGION  
2001-05 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	RS2	KY1	MD1	MO1	NC1	OK1	VA1	MEAN
PST-161	6.6	4.6	6.6	4.8	5.6	4.8	5.3	6.0	5.4
SR 2284 (SRX 2284)	6.7	5.2	6.8	5.5	5.3	3.9	5.2	5.4	5.4
ARCADIA	7.0	2.9	6.9	6.0	6.1	4.7	5.3	5.0	5.4
BLACKSBURG II (PST-1BMY)	7.0	4.9	6.5	4.6	5.3	4.3	5.9	5.5	5.4
BLACKSTONE	6.4	4.3	7.0	6.1	5.9	4.5	5.2	4.1	5.4
CHAMPLAIN (A98-1275)	5.6	5.0	6.2	5.6	5.7	4.4	5.4	4.6	5.4
NUGLADE	5.8	3.9	6.8	6.0	6.0	4.2	6.6	4.8	5.4
BARONESS (BAR PP 0468)	6.1	4.8	6.4	6.2	5.6	4.4	4.5	5.4	5.4
CASABLANCA (B3-171)	6.2	4.6	6.4	5.7	5.4	4.1	5.9	5.3	5.4
ARROW (A97-1567)	6.3	3.5	6.5	5.6	5.9	4.7	5.9	5.5	5.4
BAR PP 0573	5.8	4.6	6.4	5.4	5.9	4.5	5.3	5.6	5.4
MALLARD (A97-1439)	6.7	4.7	6.6	5.0	5.8	4.1	5.1	5.6	5.4
FREEDOM II	5.7	5.1	6.4	5.8	5.9	4.7	5.4	4.1	5.3
A98-183	6.5	4.6	6.2	5.0	5.6	4.7	5.7	4.8	5.3
BARONETTE (BA 81-058)	6.4	5.2	6.5	4.8	5.6	4.0	5.6	5.2	5.3
H92-203	6.3	5.0	6.0	5.5	5.3	4.1	5.4	5.4	5.3
EAGLETON	6.7	4.9	6.4	4.8	5.8	4.3	5.8	4.5	5.3
GOLDSTAR (A98-296)	6.3	4.7	6.2	5.1	5.4	4.1	5.8	5.6	5.3
HV 238	6.2	3.9	6.2	5.3	5.7	4.7	5.7	5.2	5.3
BLUEMAX (PST-B5-89)	5.9	4.6	6.6	5.7	5.3	4.1	5.2	5.9	5.3
RITA	6.1	4.5	6.8	4.7	5.5	4.4	6.0	5.3	5.3
AVALANCHE (PST-1701)	6.4	4.6	6.4	5.4	5.4	4.0	5.9	4.9	5.3
DYNAMO (B3-185)	6.1	3.6	6.3	6.0	5.3	4.3	5.7	5.6	5.3
RAMBO	5.5	4.8	6.0	5.4	5.3	4.8	5.8	5.3	5.3
CHICAGO II	6.1	4.7	5.8	6.5	5.8	4.4	4.9	4.0	5.3
BA 83-113	6.1	3.6	6.5	5.2	5.5	4.5	6.7	4.8	5.3
CHAMPAGNE	5.5	5.2	6.4	5.4	5.2	4.7	5.2	4.9	5.2
SONOMA	6.2	5.5	6.2	5.8	5.2	4.1	4.3	4.7	5.2
BA 82-288	6.3	4.8	6.6	4.8	5.4	4.3	5.6	4.8	5.2
PST-H6-150	5.9	4.2	6.1	5.7	5.7	4.0	5.6	5.0	5.2
SHOWCASE	6.2	3.8	5.9	5.6	5.7	4.3	5.2	5.3	5.2
MERCURY (PICK-232)	6.2	3.2	6.7	5.5	5.6	4.5	5.7	4.8	5.2
JEFFERSON	6.1	4.4	6.4	5.2	5.5	4.2	5.2	4.9	5.2
SERENE	5.4	4.9	6.3	6.1	6.0	3.9	4.7	4.2	5.2
A96-739	6.3	3.9	6.7	5.8	5.7	4.0	4.5	4.8	5.1
PRINCETON 105	5.3	4.8	6.0	5.1	5.3	4.2	5.8	5.4	5.1
BLUE-TASTIC (1B7-308)	5.9	3.8	6.6	5.4	5.4	4.0	5.3	5.8	5.1
B4-128A	5.3	4.5	5.6	6.4	5.4	4.1	5.3	4.9	5.1
RAMPART (PICK 417)	5.7	5.1	6.1	5.9	5.4	3.8	5.3	4.1	5.1
LAKESHORE (A93-200)	6.0	4.8	6.1	5.1	5.8	4.0	4.6	4.5	5.1
BARIRIS	6.0	4.0	5.6	6.4	5.4	4.3	5.3	3.8	5.1
A98-1028	6.4	4.7	6.2	4.7	5.5	3.8	5.1	4.7	5.1
SI A96-386	6.0	4.5	5.6	5.6	4.9	4.2	5.2	5.0	5.1
GLENMONT (H94-293)	5.0	4.8	6.1	5.6	5.9	3.9	5.0	4.8	5.1
BARITONE	5.8	5.0	5.0	6.1	5.5	4.0	5.3	3.7	5.1

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(CONT'D)  
GROWN AT EIGHT LOCATIONS 1/  
IN THE TRANSITION REGION  
2001-05 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KS2	KY1	MD1	MO1	NCL	OK1	VA1	MEAN
LIMOUSINE	5.5	4.7	5.9	6.7	5.0	4.0	5.0	3.9	5.1
BARONIE	5.8	4.5	5.8	5.3	5.2	4.3	5.2	4.7	5.1
MOONLIGHT	5.1	3.4	6.9	5.5	6.3	3.8	5.0	5.2	5.0
JEWEL	5.7	4.9	5.8	5.1	5.0	4.1	5.2	4.9	5.0
DURHAM (A96-427)	5.9	4.7	5.4	5.3	5.7	3.9	4.4	5.0	5.0
BOUTIQUE	5.8	4.6	6.0	5.0	5.6	4.0	4.7	5.0	5.0
MOONSHINE (PST-1804)	6.4	3.9	6.1	5.1	5.7	3.9	4.4	5.1	5.0
BORDEAUX	4.6	5.1	5.6	6.0	5.1	4.0	5.0	5.0	5.0
PST-108-79	5.7	4.8	5.2	5.7	5.2	4.0	5.0	4.5	5.0
PST-B5-125	5.6	4.4	6.6	5.1	5.6	4.0	4.6	4.6	5.0
PICK 453	5.8	4.1	5.9	5.9	5.3	3.9	5.5	3.8	5.0
PST-B3-170	5.0	4.4	5.5	5.5	5.9	4.1	5.3	4.7	5.0
HV 140	5.7	4.1	5.9	5.5	5.2	4.0	5.9	3.8	5.0
DLF 76-9032	5.3	4.8	4.4	6.2	5.4	3.9	6.0	4.0	5.0
ALLURE	5.5	4.7	5.7	5.4	5.7	3.7	5.2	4.0	5.0
JULIA	5.9	4.2	5.6	5.9	5.1	4.1	5.2	4.0	5.0
CHEETAH (PP H 6370)	5.8	4.3	6.4	5.1	5.3	3.8	4.9	4.6	4.9
KATIE (A96-451)	5.7	4.9	5.7	5.1	5.3	3.9	4.6	4.6	4.9
SRX 2114	5.4	4.5	6.0	5.1	5.3	4.2	5.0	4.7	4.9
RAVEN	5.7	4.0	5.2	5.6	5.6	3.6	4.4	5.6	4.9
BROOKLAWN	5.6	4.6	5.6	4.9	5.4	4.0	5.1	4.3	4.9
A96-742	5.5	4.4	5.6	4.2	5.0	4.4	5.7	4.6	4.9
PST-B4-246	5.4	4.7	5.8	5.5	5.5	3.7	4.6	4.2	4.9
B5-43	5.2	4.7	5.2	5.5	5.3	3.9	5.5	4.0	4.9
NORTH STAR	5.4	4.1	5.9	5.8	5.4	4.1	4.9	3.7	4.9
DLF 76-9036	6.0	4.3	5.7	5.5	5.2	3.7	4.2	4.9	4.9
ABBEY	5.3	4.6	5.9	5.3	5.1	4.1	4.7	4.3	4.9
WILDWOOD	5.4	4.5	5.9	5.1	5.2	3.6	5.2	4.5	4.9
PST-604	5.6	4.0	5.5	4.8	5.1	4.5	4.3	5.7	4.8
BH 00-6003	6.1	4.1	6.1	3.8	4.9	4.4	5.7	4.5	4.8
CHELSEA	5.2	4.1	5.3	6.2	5.0	4.0	4.7	4.4	4.8
CHATEAU	4.9	4.9	5.4	5.7	5.5	3.6	5.0	4.4	4.8
COVENTRY	5.3	4.7	5.3	5.6	5.4	3.9	4.7	3.9	4.8
MONTE CARLO (A96-402)	5.0	5.0	4.9	4.8	5.0	4.2	4.8	4.1	4.8
MARQUIS	5.4	4.5	6.2	5.2	5.1	3.7	4.4	5.5	4.8
APPALACHIAN (A98-139)	6.2	5.0	5.6	3.4	4.8	4.1	5.5	5.2	4.8
A97-857	5.6	4.3	5.8	5.1	5.0	3.9	4.9	4.3	4.8
ROYALE (A97-1336)	5.4	5.0	6.1	4.4	5.3	3.7	4.1	4.9	4.8
BARTITIA	5.1	4.2	5.7	5.9	5.4	3.8	4.9	3.9	4.8
HALLMARK	5.3	4.4	5.9	5.2	5.1	3.8	5.3	4.0	4.8
FAIRFAX	5.3	4.7	5.7	5.4	5.3	3.4	5.0	3.9	4.8
H92-558	5.8	3.4	5.1	5.5	5.6	4.0	5.6	3.7	4.8
DLF 76-9034	6.0	4.4	5.4	3.5	4.8	3.9	5.5	5.2	4.8
KINGFISHER (SRX 2394)	4.7	4.4	5.6	6.0	5.4	4.0	4.5	4.1	4.8
ENVICTA	5.2	3.8	5.4	5.2	5.6	3.9	4.4	5.2	4.8

TABLE 10. MEAN TURFGRASS QUALITY RATINGS OF KENTUCKY BLUEGRASS CULTIVARS  
(CONT'D)  
GROWN AT EIGHT LOCATIONS 1/  
IN THE TRANSITION REGION  
2001-05 DATA

TURFGRASS QUALITY RATINGS 1-9; 9=IDEAL TURF 2/

NAME	IL2	KS2	KY1	MD1	MO1	NC1	OK1	VA1	MEAN
B5-144	5.8	5.0	5.5	5.2	5.3	3.3	4.4	3.8	4.8
WASHINGTON	6.2	4.3	5.2	4.8	4.8	3.7	5.6	3.9	4.8
PST-H5-35	5.4	4.4	5.7	5.0	5.8	4.0	4.6	3.5	4.8
LILY	5.3	5.0	5.7	5.0	5.4	3.6	4.5	3.6	4.7
B5-45	5.1	4.9	5.0	5.3	5.2	3.7	5.0	4.0	4.7
GOLDRUSH	5.0	4.0	6.0	5.2	5.3	4.0	4.8	4.4	4.7
JULIUS	4.6	4.5	5.3	6.7	5.1	3.6	4.5	3.6	4.7
ASCOT	5.1	4.8	5.5	5.8	5.2	3.5	4.2	3.9	4.7
PST-YORK HARBOR 4	5.2	4.3	6.1	4.4	5.2	3.7	5.0	4.4	4.7
BLUE RIDGE (A97-1449)	5.3	3.8	6.2	4.8	5.7	4.0	3.9	4.4	4.7
BARON	5.0	4.6	5.4	4.5	5.3	3.7	4.7	4.2	4.7
A97-1409	5.3	4.9	6.4	3.6	5.0	3.7	4.2	4.8	4.6
MONGOOSE (A98-881)	4.7	4.8	5.9	5.0	5.1	3.6	4.1	4.4	4.6
ALPINE	4.6	4.7	5.8	4.9	5.0	3.8	4.7	4.0	4.6
A98-407	4.9	4.7	4.9	5.3	5.1	3.9	4.2	4.1	4.6
SHAMROCK	5.2	4.9	5.7	4.4	5.4	3.4	4.1	4.2	4.6
MISTY	4.3	5.1	5.6	4.6	5.3	3.7	4.5	4.5	4.6
PP H 6366	5.1	4.2	5.5	6.2	4.7	3.5	4.1	4.0	4.6
PST-222	4.2	4.4	6.0	4.7	5.5	3.8	3.7	4.8	4.6
BH 00-6002	5.0	4.9	5.6	4.9	4.8	3.4	3.9	4.1	4.5
ULYSSES (PP H 7832)	4.9	4.3	4.3	5.5	5.1	3.9	4.7	3.6	4.5
LIMERICK	4.8	4.5	5.7	4.6	5.0	3.3	4.6	4.1	4.5
SRX 26351	4.7	4.6	4.4	5.5	4.8	4.0	4.4	3.9	4.5
BLUE SAPPHERE (NA-K991)	4.5	3.3	5.2	4.6	5.3	4.1	5.5	4.0	4.5
CVB-20631	4.6	4.0	5.1	4.7	4.9	4.0	4.6	4.3	4.5
BARZAN	4.9	3.5	5.0	4.3	5.2	3.8	4.9	3.8	4.4
KENBLUE	5.9	4.1	5.2	3.6	4.3	3.5	4.8	4.0	4.4
WELLINGTON	5.6	4.2	5.0	3.9	4.4	3.8	4.7	3.8	4.3
99AN-53	4.3	4.2	5.0	4.7	4.8	3.9	4.0	4.1	4.3
BA 84-140	4.3	3.7	3.6	6.2	4.9	4.0	4.3	3.6	4.3
BODACIOUS	4.9	4.2	4.4	4.4	5.1	3.9	3.9	3.5	4.3
BOOMERANG	4.5	3.5	4.6	4.1	5.2	4.3	4.8	3.7	4.3
BLUE KNIGHT	3.8	4.3	3.9	5.2	5.3	3.8	4.1	3.2	4.2
SRX QG245	4.0	4.2	4.4	5.0	4.9	3.8	3.9	3.3	4.2
SRX 27921	4.2	4.4	4.4	4.0	4.8	3.9	4.4	3.2	4.1
PP H 7907	4.4	4.0	3.8	4.3	4.5	3.7	5.1	3.3	4.1
PP H 7929	4.4	4.0	3.8	4.3	4.8	3.8	4.0	3.7	4.1
NA-K992	5.2	2.7	4.4	3.7	4.6	3.9	4.1	3.6	4.0
GO-9LM9	3.3	3.8	3.6	3.7	4.2	3.4	3.8	3.1	3.6
LSD VALUE	1.1	1.5	1.3	0.9	1.0	1.1	1.3	1.2	0.4
C.V. (%)	11.7	21.3	13.6	10.7	11.5	17.3	18.2	15.2	14.8

1/ TO DETERMINE STATISTICAL DIFFERENCES AMONG ENTRIES, SUBTRACT ONE ENTRY'S MEAN FROM ANOTHER ENTRY'S MEAN. STATISTICAL DIFFERENCES OCCUR WHEN THIS VALUE IS LARGER THAN THE CORRESPONDING LSD VALUE (LSD 0.05).

2/ C.V. (COEFFICIENT OF VARIATION) INDICATES THE PERCENT VARIATION OF THE MEAN IN EACH COLUMN.

U.S. DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S) <b>J. R.</b> J.R. Simplot Company (OT-10/19/2007)	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER J-1655	3. VARIETY NAME Barrister
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 5300 West Riverbend Avenue Post Falls, ID 83854	5. TELEPHONE (Include area code) (208) 773-7581	6. FAX (Include area code) (208) 773-4846
7. PVPO NUMBER <b># 2 0 0 3 0 0 0 0 1</b>		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.  YES  NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.  YES  NO

10. Is the applicant the original owner?  YES  NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?  YES  NO If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?  YES  NO If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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